What is claimed is;

- 1. An operation mode switch apparatus for ensuring low power consumption, comprising:
 - a control unit, for receiving a command signal so as to output a first control signal, a second control signal and a operation mode control signal;
 - a clock, for receiving the first control signal so as to make an evaluation to determine whether a clock signal should be generated for the control unit; and
 - a timing device, for receiving the second control signal so as to make an evaluation to determine whether a timing signal should be outputted for the control unit to use.
- 2. The operation mode switch apparatus for ensuring low power consumption of claim 1, wherein the timing device further comprising:
 - an oscillator, for outputting an oscillating signal; and
 - a counter, for receiving the second control signal and use thereof along with a counting of the oscillating signals to output the timing signal.
- 3. The operation mode switch apparatus for ensuring low power consumption of claim 2, wherein the clock signal is a high accuracy clock signal.
- 4. An operation mode switching method for ensuring ultra low power consumption, which is used for switching the operation mode of the working platform of a work station, the method comprising:
 - using only a timing device for timing the period that the working platform is in a second operation mode, when the working platform enters the second operation mode; and
- using only a high accuracy clock for providing clock to the working

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- platform in the first operation mode, when the working platform enters the first operation mode.
- 5. The operation mode switch method for ensuring low power consumption of claim 4, the method further comprising:
- switching the working platform from the first operation mode to the second operation mode, while the time for the working platform to remain in the first operation mode is up.

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- 6. The operation mode switch method for ensuring low power consumption of claim 5, the method further comprising:
 - activating the timing device and deactivating the high accuracy clock, while the working platform entering the first operation mode.
- 7. The operation mode switch method for ensuring low power consumption of claim 6, the method further comprising:
 - activating the high accuracy clock and deactivating the timing device, while the working platform entering the second operation mode
- 8. The operation mode switch method for ensuring low power consumption of claim 7, the method further comprising:
 - activating the timing device and deactivating the high accuracy clock, when the time for the working platform to remain in the first operation mode is up.
- 9. The operation mode switch method for ensuring low power consumption of claim 8, wherein the first operation mode is a sleep mode.
- 10. The operation mode switch method for ensuring low power consumption of claim 9, wherein the second operation mode is a wake-up mode.
- 11. The operation mode switch method for ensuring low power consumption of claim 4, wherein the first operation mode is a power-save mode.

12. The operation mode switch method for ensuring low power consumption of claim 4, wherein the first operation mode is a standby mode.